Table VI-8 Building and Area Ventilation Controls

	Outdoor	Enclosed structures and buildings					
Hazardous waste management unit area/facility	areas and open structures— natural ventilation	Nonenhanced air circulation	Turbine roof ventilation	Louvered wall vents	Mechanical ventilation		
Building 280 Container Storage Unit			•	•			
Area 612 Tank Trailer Storage Unit	•						
Area 612 Portable Tank Storage Unit	•						
Building 612 Container Storage Unit		•					
Building 612 Lab Packing/Packaging Container Storage Unit (Room 107)					● ^{a, d}		
Area 612-1 Container Storage Unit	•						
Area 612-2 Container Storage Unit	•						
Area 612-4 Receiving, Segregation, and Container Storage Unit	•						
Area 612-5 Container Storage Unit	•						
Building 614 East Cells Container Storage Unit	•						
Building 614 West Cells Container Storage Unit					• ^b		
Building 625 Container Storage Unit			•				
Building 693 Container Storage Unit Cells 1000, 1004, 1008, and 1012			•	•			
Building 693 Classified Waste Storage Annex				•	•		
Building 693 Freezer Pad/Shed	•						
Building 693 Roll-off Pad	•						

Continued on next page.

Table VI-8 Continued

	Outdoor areas and	Enclosed structures and buildings				
Hazardous waste management unit area/facility	open structures— natural ventilation	Nonenhanced air circulation	Turbine roof ventilation	Louvered wall vents	Mechanical ventilation	
Building 695 Liquid Waste Processing Area					ea, d	
Building 695 Airlock					ea, d	
Building 695 Reactive Materials Cell					●c, d	
Building 695 Reactive Waste Processing Room					•a, d	
Building 695 Reactive Waste Storage Rooms (4)					a, d	
Building 695 Small-Scale Treatment Laboratory					•a, d	
DWTF Portable Tank Storage Pad	•					

^a Ventilation system includes HEPA filtration of the ventilation air prior to exhausting to the atmosphere.

b Ventilation system is designed to be explosion-proof.

^c Ventilation system includes an acid gas scrubber, HEPA filter, and carbon columns.

d Ventilation systems include heating and cooling.

Table VI-9 Treatment Equipment Off-gas Controls

Treatment equipment name	Scrubber	HEPA filter	VOC scrubber/ carbon adsorption ^c	Connected to building ventilation
Building 612 Drum/Container Crushing Units		•		
Building 612 Size Reduction Unit		•		
Building 695 Tank Farm	•	•	•	•
Building 695 Waste Blending Station	•	•	•	•
Building 695 Filtration Module			• ^b	
Building 695 Centrifuge	•	•	•	•
Building 695 Cold Vapor Evaporator	•	•	•	•
Building 695 Solidification System	•	•	•	•a
Building 695 Debris Washer	•	•	•	•
Building 695 Shredder/Chopper		•		•
Building 695 Gas Adsorption System	•	•	•	•
Building 695 Reactive Waste Processing Room—Glove Boxes	•	•	•	•
Building 695 Small Scale Treatment Laboratory—fume hoods	•	•	•	•
Building 695 Reactive Waste Processing area and fume hoods	•	•	•	•

^a Mixing area has a local hood and prefilter to control nonhazardous cement dust emissions.

b Filtration module has a passive vent that will be equipped with a carbon canister.

^c VOC scrubber is operational when methanol is present in the off-gas.

Appendices VI-A through VI-F are located in Volume 5